

(19) World Intellectual Property
Organization
International Bureau



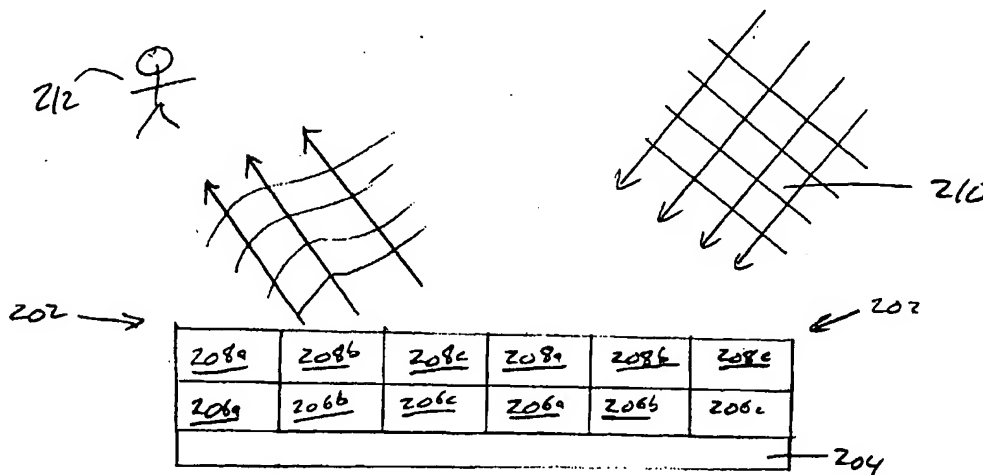
(43) International Publication Date
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number
WO 2005/076983 A2

- (51) International Patent Classification: Not classified (74) Agent: MEIKLEJOHN, Anita, L.; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).
- (21) International Application Number: PCT/US2005/003775 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 7 February 2005 (07.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/541,908 6 February 2004 (06.02.2004) US (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/541,908 (CON)
Filed on 6 February 2004 (06.02.2004)
- (71) Applicant (for all designated States except US): NAGAYAMA IP HOLDINGS LLC [US/US]; 145 West 57th Street, New York, NY 10019 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): NAGAYAMA, Kunlaki [JP/JP]; 2-5-1-13, Tatsumi-minami, Okazaki, Aichi Prefecture, 444-0874 (JP).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPLEX POINTILLISTIC MULTICOLOR PRINTING



(57) Abstract: A method of printing an image of a three-dimensional object includes printing multiple dots of a colored ink to form an image of the object and printing dots of a transparent ink having a refractive index greater than 1 within the image. The dots of transparent ink local alter the path length of light that shines through the image to create phase variations on the image.

WO 2005/076983 A2